



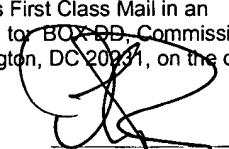
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January 30, 2004

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to <u>BOX DD, Commissioner for Patents, Washington, DC 20231</u> , on the date below:	
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Commissioner for Patents
Washington, DC 20231

RE: *U.S. Patent Application No. 10/010,081 entitled "METHODS AND COMPOSITIONS RELATING TO IMPROVED LENTIVIRAL VECTORS AND THEIR APPLICATIONS" – Didier Trono and Patrick Salmon*
Our reference: CLFR:010US


Sir:

Enclosed for filing in the above-referenced patent application is a Supplemental Information Disclosure Statement, Form PTO-1449, and references A26-A35, B9, and C50-C235.

No fees are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CLFR:010US.

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Respectfully submitted,


David L. Parker
Reg. No. 32,165

DLP/kmv
Encl.: as noted
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:

Didier Trono
Patrick Salmon

Group Art Unit: 1642

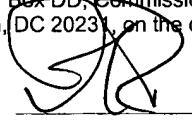
Examiner: Unknown

Atty. Dkt. No.: CLFR:010US

Serial No.: 10/010,081

Filed: November 9, 2001

For: METHODS AND COMPOSITIONS
RELATING TO IMPROVED
LENTIVIRAL VECTORS AND THEIR
APPLICATIONS

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Commissioner for Patents
P.O. Box 1450
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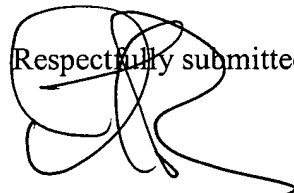
Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner. This application is related by inventors and subject matter to Serial No. 10/209,952, Serial No. 10/261,078, and Provisional Serial No. 60/375,654.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Supplemental Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CLFR:010US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,


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Attorney for Applicants

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Form PTO-1449 (modified)

Atty. Docket No.

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INFORMATION DISCLOSURE STATEMENT

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Applicant

Didier Trono

Patrick Salmon

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A26	4,682,195	7/21/87	Yilmaz	357	23.4	9/30/85
	A27	4,683,202	7/28/87	Mullis	435	91	10/25/85
	A28	5,466,468	11/14/95	Schneider <i>et al.</i>	424	450	10/28/94
	A29	5,645,897	7/8/97	Andra	427	526	1/30/93
	A30	5,705,629	1/6/98	Bhongle	536	25.34	10/20/95
	A31	5,846,225	12/8/98	Rosengart <i>et al.</i>	604	115	2/19/97
	A32	5,846,233	12/8/98	Lilley <i>et al.</i>	604	414	1/9/97
	A33	5,925,565	7/20/99	Berlioz <i>et al.</i>	435	325	7/5/95
	A34	5,928,906	7/27/99	Koster <i>et al.</i>	435	91.2	5/9/96
	A35	5,935,819	8/10/99	Eichner <i>et al.</i>	435	69.4	1/2/97

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B9	EP 0266032	5/4/88	Europe			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C50	Almendro <i>et al.</i> , "Cloning of the human platelet endothelial cell adhesion molecule-1 promoter and its tissue-specific expression. Structural and functional characterization," <i>J. Immunol.</i> , 157(12):5411-5421, 1996.
	C51	Angel <i>et al.</i> , "12-0-tetradecanoyl-phorbol-13-acetate Induction of the Human Collagenase Gene is Mediated by an Inducible Enhancer Element Located in the 5' Flanking Region," <i>Mol. Cell. Biol.</i> , 7:2256-2266, 1987.
	C52	Angel <i>et al.</i> , "Phorbol Ester-Inducible Genes Contain a Common cis Element Recognized by a TPA-Modulated Trans-acting Factor," <i>Cell</i> , 49:729-739, 1987.

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	C53	Atchison and Perry, "Tandem Kappa Immunoglobulin Promoters are Equally Active in the Presence of the Kappa Enhancer: Implications for Model of Enhancer Function," <i>Cell</i> , 46:253-262, 1986.
	C54	Atchison and Perry, "The Role of the κ Enhancer and its Binding Factor NF- κ B in the Developmental Regulation of κ Gene Transcription," <i>Cell</i> , 48:121-128, 1987.
	C55	Banerji <i>et al.</i> , "A lymphocyte-specific cellular enhancer is located downstream of the joining region in immunoglobulin heavy-chain genes," <i>Cell</i> , 35:729-740, 1983.
	C56	Banerji <i>et al.</i> , "Expression of a Beta-Globin Gene is Enhanced by Remote SV40 DNA Sequences," <i>Cell</i> , 27:299-308, 1981.
	C57	Bodine and Ley, "An enhancer element lies 3' to the human α γ globin gene," <i>EMBO J.</i> , 6:2997-3004, 1987.
	C58	Boshart <i>et al.</i> , "A very strong enhancer is located upstream of an immediate early gene of human cytomegalovirus," <i>Cell</i> , 41:521-530, 1985.
	C59	Bösze <i>et al.</i> , "A transcriptional enhancer with specificity for erythroid cells is located in the long terminal repeat of the friend murine leukemia virus," <i>EMBO J.</i> , 5:1615-1623, 1986.
	C60	Braddock <i>et al.</i> , "HIV-I Tat activates presynthesized RNA in the nucleus," <i>Cell</i> , 58:269-279, 1989.
	C61	Bray <i>et al.</i> , "A small element from the Mason-Pfizer monkey virus genome makes human immunodeficiency virus type 1 expression and replication Rev-independent," <i>Proc. Natl. Acad. Sci. USA</i> , 91:1256-1260, 1994.
	C62	Bulla and Siddiqui, "The hepatitis B virus enhancer modulates transcription of the hepatitis B virus surface-antigen gene from an internal location," <i>J. Virol.</i> , 62:1437-1441, 1988.
	C63	Campbell and Villarreal, "Functional analysis of the individual enhancer core sequences of polyomavirus: cell-specific uncoupling of DNA replication from transcription," <i>Mol. Cell. Biol.</i> , 8:1993-2004, 1988.
	C64	Camper and Tilghman, "Postnatal repression of the α -fetoprotein gene is enhancer independent," <i>Genes and Dev.</i> , 3:537-546, 1989.
	C65	Campo <i>et al.</i> , "Transcriptional control signals in the genome of bovine papilloma virus type 1," <i>Nature</i> , 303:77-80, 1983.

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	C66	Celander and Haseltine, "Glucocorticoid Regulation of Murine Leukemia Virus Transcription Elements is Specified by Determinants Within the Viral Enhancer Region," <i>J. Virology</i> , 61:269-275, 1987.
	C67	Celander <i>et al.</i> , "Regulatory Elements Within the Murine Leukemia Virus Enhancer Regions Mediate Glucocorticoid Responsiveness," <i>J. Virology</i> , 62:1314-1322, 1988.
	C68	Chandler <i>et al.</i> , "DNA Sequences Bound Specifically by Glucocorticoid Receptor in vitro Render a Heterologous Promoter Hormone Responsive in vivo," <i>Cell</i> , 33:489-499, 1983.
	C69	Chang <i>et al.</i> , "Glucose-regulated Protein (GRP94 and GRP78) Genes Share Common Regulatory Domains and are Coordinately Regulated by Common Trans-acting Factors," <i>Mol. Cell. Biol.</i> , 9:2153-2162, 1989.
	C70	Charneau <i>et al.</i> , "HIV-1 reverse transcription: a termination step at the center of the genome," <i>J. Mol. Biol.</i> 241:651-662, 1994.
	C71	Chatterjee <i>et al.</i> , "Negative Regulation of the Thyroid-Stimulating Hormone Alpha Gene by Thyroid Hormone: Receptor Interaction Adjacent to the TATA Box," <i>Proc Natl. Acad Sci. U.S.A.</i> , 86:9114-9118, 1989.
	C72	Chen and Okayama, "High-efficiency transformation of mammalian cells by plasmid DNA," <i>Mol. Cell. Biol.</i> , 7:2745-2752, 1987
	C73	Choi <i>et al.</i> , "An altered pattern of cross-resistance in multi-drug-resistant human cells results from spontaneous mutations in the <i>mdr-1</i> (p-glycoprotein) gene," <i>Cell</i> , 53:519-529, 1988.
	C74	Cohen <i>et al.</i> , "A Repetitive Sequence Element 3' of the Human c-Ha-ras1 Gene Has Enhancer Activity," <i>J. Cell. Physiol. Suppl.</i> , 5:75-81, 1987.
	C75	Costa <i>et al.</i> , "The Cell-Specific Enhancer of the Mouse Transthyretin (Prealbumin) Gene Binds a Common Factor at One Site and a Liver-Specific Factor(s) at Two Other Sites," <i>Mol. Cell. Biol.</i> , 8:81-90, 1988.
	C76	Cripe <i>et al.</i> , "Transcriptional Regulation of the Human Papilloma Virus-16 E6-E7 Promoter by a Keratinocyte-Dependent Enhancer, and by Viral E2 Trans-Activator and Repressor Gene Products: Implications for Cervical Carcinogenesis," <i>EMBO J.</i> , 6:3745-3753, 1987.
	C77	Culotta and Hamer, "Fine Mapping of a Mouse Metallothionein Gene Metal-Response Element," <i>Mol. Cell. Biol.</i> , 9:1376-1380, 1989.

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	C78	Dandolo <i>et al.</i> , "Regulation of Polyoma Virus Transcription in Murine Embryonal Carcinoma Cells," <i>J. Virology</i> , 47:55-64, 1983.
	C79	Das <i>et al.</i> , "A conserved hairpin motif in the R-U5 region of the human immunodeficiency virus type 1 RNA genome is essential for replication," <i>J. Virol.</i> 71:2346-2356, 1997.
	C80	De Villiers <i>et al.</i> , "Polyoma Virus DNA Replication Requires an Enhancer," <i>Nature</i> , 312:242-246, 1984.
	C81	Deschamps <i>et al.</i> , "Identification of a Transcriptional Enhancer Element Upstream From the Proto-Oncogene Fos," <i>Science</i> , 230:1174-1177, 1985.
	C82	Edbrooke <i>et al.</i> , "Identification of cis-acting sequences responsible for phorbol ester induction of human serum amyloid a gene expression via a nuclear-factor-kappa β -like transcription factor," <i>Mol. Cell. Biol.</i> , 9:1908-1916, 1989.
	C83	Edlund <i>et al.</i> , "Cell-specific expression of the rat insulin gene: evidence for role of two distinct 5' flanking elements," <i>Science</i> , 230:912-916, 1985.
	C84	Fechheimer <i>et al.</i> , "Transfection of mammalian cells with plasmid DNA by scrape loading and sonication loading," <i>Proc Nat'l. Acad. Sci. USA</i> 84:8463-8467, 1987.
	C85	Firak and Subramanian, "Minimal Transcription Enhancer of Simian Virus 40 is a 74-Base-Pair Sequence that Has Interacting Domains," <i>Mol. Cell. Biol.</i> , 6:3667-3676, 1986.
	C86	Foecking and Hofstetter, "Powerful and Versatile Enhancer-Promoter Unit for Mammalian Expression Vectors," <i>Gene</i> , 45(1):101-105, 1986.
	C87	Froehler <i>et al.</i> , "Synthesis of DNA via deoxynucleoside H-phosphonate intermediates." <i>Nuc. Acids Res.</i> 14:5399-5407, 1986.
	C88	Fujita <i>et al.</i> , "Interferon- β Gene Regulation: Tandemly Repeated Sequences of a Synthetic 6-bp Oligomer Function as a Virus-Inducible Enhancer," <i>Cell</i> , 49:357-367, 1987.
	C89	GenBank Accession Number AF105229.
	C90	GenBank Accession Number M66390.
	C91	GenBank Accession Number M82856.
	C92	GenBank Accession Number NM_000397.

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	C93	Gilles <i>et al.</i> , "A tissue-specific transcription enhancer element is located in the major intron of a rearranged immunoglobulin heavy-chain gene," <i>Cell</i> , 33:717-728, 1983.
	C94	Gloss <i>et al.</i> , "The Upstream Regulatory Region of the Human Papilloma Virus-16 Contains an E2 Protein-Independent Enhancer Which is Specific for Cervical Carcinoma Cells and Regulated by Glucocorticoid Hormones," <i>EMBO J.</i> , 6:3735-3743, 1987.
	C95	Godbout <i>et al.</i> , "Fine-Structure Mapping of the Three Mouse Alpha-Fetoprotein Gene Enhancers," <i>Mol. Cell. Biol.</i> , 8:1169-1178, 1988.
	C96	Goodbourn and Maniatis, "Overlapping Positive and Negative Regulatory Domains of the Human β -Interferon Gene," <i>Proc. Natl. Acad. Sci. USA</i> , 85:1447-1451, 1988.
	C97	Goodbourn <i>et al.</i> , "The Human Beta-Interferon Gene Enhancer is Under Negative Control," <i>Cell</i> , 45:601-610, 1986.
	C98	Gopal, "Gene transfer method for transient gene expression, stable transformation, and cotransformation of suspension cell cultures," <i>Mol. Cell. Biol.</i> 5:1188-1190, 1985.
	C99	Graham and Van Der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA," <i>Virology</i> , 52:456-467, 1973.
	C100	Greco and Dachs, "Gene directed enzyme/prodrug therapy of cancer: historical appraisal and future perspectives," <i>J. Cell. Phys.</i> , 187: 22-36, 2001.
	C101	Greene <i>et al.</i> , "HIV-1, and Normal T-Cell Growth: Transcriptional Strategies and Surprises," <i>Immunology Today</i> , 10:272-278, 1989.
	C102	Grosschedl and Baltimore, "Cell-Type Specificity of Immunoglobulin Gene Expression is Regulated by at Least Three DNA Sequence Elements," <i>Cell</i> , 41:885-897, 1985.
	C103	Haslinger and Karin, "Upstream Promoter Element of the Human Metallothionein-II Gene Can Act Like an Enhancer Element," <i>Proc Natl. Acad. Sci. U.S.A.</i> , 82:8572-8576, 1985.
	C104	Hauber and Cullen, "Mutational Analysis of the Trans-Activation-Responsive Region of the Human Immunodeficiency Virus Type I Long Terminal Repeat," <i>J. Virology</i> , 62:673-679, 1988.
	C105	Hen <i>et al.</i> , "A Mutated Polyoma Virus Enhancer Which is Active in Undifferentiated Embryonal Carcinoma Cells is not Repressed by Adenovirus-2 E1A Products," <i>Nature</i> , 321:249-251, 1986.

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	C106	Hensel <i>et al.</i> , "PMA-Responsive 5' Flanking Sequences of the Human TNF Gene," <i>Lymphokine Res.</i> , 8:347-351, 1989.
	C107	Herr and Clarke, "The SV40 Enhancer is Composed of Multiple Functional Elements That Can Compensate for One Another," <i>Cell</i> , 45:461-470, 1986.
	C108	Hickstein <i>et al.</i> , "Identification of the promoter of the myelomonocytic leukocyte integrin CD11b," <i>Proc. Natl. Acad. Sci. USA</i> , 89:2105-2109, 1992.
	C109	Hirochika <i>et al.</i> , "Enhancers and Trans-Acting E2 Transcriptional Factors of Papilloma Viruses," <i>J. Virol.</i> , 61:2599-2606, 1987.
	C110	Hirsch <i>et al.</i> , "Identification of Positive and Negative Regulatory Elements Governing Cell-Type-Specific Expression of the Neural-Cell-Adhesion-Molecule Gene," <i>Mol. Cell. Biol.</i> , 10:1959-1968, 1990.
	C111	Holbrook <i>et al.</i> , "cis-Acting Transcriptional Regulatory Sequences in the Gibbon Ape Leukemia Virus (GALV) Long Terminal Repeat," <i>Virology</i> , 157:211-219, 1987.
	C112	Horlick and Benfield, "The upstream muscle-specific enhancer of the rat muscle creatine kinase gene is composed of multiple elements," <i>Mol. Cell. Biol.</i> , 9:2396-2413, 1989.
	C113	Hou <i>et al.</i> , "Regulatory elements and transcription factors controlling basal and cytokine-induced expression of the gene encoding intercellular adhesion molecule 1," <i>Proc. Natl. Acad. Sci. USA</i> , 91:11641-11645, 1994.
	C114	Huang <i>et al.</i> , "Glucocorticoid regulation of the ha-musv p21 gene conferred by sequences from mouse mammary tumor virus," <i>Cell</i> , 27:245-255, 1981.
	C115	Hug <i>et al.</i> , "Organization of the Murine Mx Gene and Characterization of its Interferon- and Virus-Inducible Promoter," <i>Mol. Cell. Biol.</i> , 8:3065-3079, 1988.
	C116	Hwang <i>et al.</i> , "Characterization of the S-Phase-Specific Transcription Regulatory Elements in a DNA-Replication-Independent Testis-Specific H2B (TH2B) Histone Gene," <i>Mol. Cell. Biol.</i> , 10:585-592, 1990.
	C117	Imagawa <i>et al.</i> , "Transcription Factor AP-2 Mediates Induction by Two Different Signal-Transduction Pathways: Protein Kinase C and cAMP," <i>Cell</i> , 51:251-260, 1987.
	C118	Imbra and Karin, "Phorbol Ester Induces the Transcriptional Stimulatory Activity of the SV40 Enhancer," <i>Nature</i> , 323:555-558, 1986.

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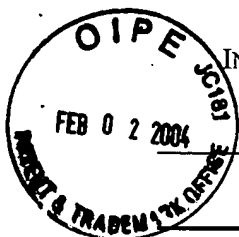
See Page 1

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	C119	Imler <i>et al.</i> , "Negative Regulation Contributes to Tissue Specificity of the Immunoglobulin Heavy-Chain Enhancer," <i>Mol. Cell. Biol.</i> , 7:2558-2567, 1987.
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List of Patents and Publications for Applicant's

Applicant

Didier Trono

Patrick Salmon

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